IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 2 4 2003

In re Application of: Barnes et al.

Application No: 10/646,943 Confirmation No: Unknown

Filed: 08/21/2003

Title: MONITORING DIMENSIONS OF FEATURES AT DIFFERENT

LOCATIONS IN THE PROCESSING OF

SUBSTRATES

Group Art Unit: Unknown

Examiner: Unknown

Attorney Docket No:

006726 USA/ETCH/CONE/JB

November 21, 2003 San Francisco, California

INFORMATION DISCLOSURE STATEMENT

Mail Stop Non Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir/Madam:

Attached hereto is a PTO-1449 form listing documents believed relevant to the subject application. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of the form be returned to the undersigned.

Applicant believes this Information Disclosure Statement should be considered by the Office because it is being filed before the mailing of a first Office Action on the merits.

It is believed that no fee is due for the filing of this Information Disclosure Statement. However, if any fee is due, the Commissioner is hereby authorized to charge payment of any such fees to Deposit Account No. 10-0258.

Also, if any Petition is required for the filing of this Information Disclosure Statement, such Petition is requested herein.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first	class
mail in an envelope addressed to: Mail Stop Non Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2.	2313-
1450, or facsimile transmitted to the U.S. Patent and Trademark Office at (703) on the date shown below.	
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Rowena Montoya

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

It should be noted that the word "prior" has been deleted from the attached PTO-1449 form(s).

Except for US patents and published US patent applications, a copy of each document is enclosed.

Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

With regard to any translations which may be provided herewith, the undersigned does not know how the translations were made, or by whom the translations were made.

Therefore, no representation is being made as to the accuracy of any translation.

By:

These documents are not necessarily analogous.

Respectfully submitted,

JANAH & ASSOCIATES, P.C.

Date: 11/20/2003

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Reg. No. 37,487

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Patent Department, M/S 2061

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Santa Clara, CA 95052

Encl.

NOV 2 4 2003 COCKET NO: 006726 USA/ETCH/CONE/JB APPLICATION NO .: **FORM PTO-1449** U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 10/646,943 INFORMATION DISCLOSURE STATEMENT APPLICANT: Barnes et al. **GROUP ART UNIT:** FILING DATE: 8/21/2003 IN AN APPLICATION Unknown U.S. PATENT DOCUMENTS FILING DATE **EXAMINER** NAME **CLASS** SUB-DOCUMENT NUMBER DATE IF APPROPRIATE INITIAL **CLASS** 9 9 09/16/1986 Brooks, Jr. et al. 6 1 4 2 8 3 06/27/1989 Cheng et al. 4 8 6 4 8 6 7 8 4 1 09/19/1989 Loewenstein et al. 4 9 2 4 8 0 7 05/15/1990 Nakayama et al. 4 9 3 1 1 3 5 06/05/1990 Horiuchi et al. 3 5 6 1 06/19/1990 Heinecke et al. 4 9 6 4 9 5 3 9 8 2 09/04/1990 Ebbing et al. 0 8 9 6 4 8 10/02/1990 Law et al. 4 9 8 0 2 0 4 12/25/1990 Fuji et al. 4 5 0 7 0 8 1 4 12/10/1991 Whiffin et al. FOREIGN PATENT DOCUMENTS **TRANSLATION DOCUMENT NUMBER** DATE COUNTRY **CLASS** SUB-**CLASS** YES NO 3 7 0 12/12/1991 Abstract 2 8 8 Japan 6 1 3 2 2 2 3 05/13/1994 Japan Abstract 5 0 4 7 7 0 7 02/26/1993 Japan Abstract 6 2 1 4 9 30 10/28/1986 Japan Abstract 7 3 8 1 8 0 12/12/1991 Japan Abstract 4 8 2 0 10/04/1989 Japan Abstract 2 5 1 8 9 9 2 8 09/27/1985 Japan Abstract 05/06/1994 6 2 4 9 0 9 Japan Abstract 1 0 8 1 0 6 3 0 12/03/1997 EΡ Х 0 2 2 04/02/1987 Х 7 1 1 Japan 9 6 1 9 8 2 5 06/27/1996 PCT х OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Zhang et al., "Automated Process Control of Within-Wafer and Wafer-to-Wafer Uniformity in Oxide CMP", CMP-MIC, March 2002 NANOMETRICS Applications Note, "Optical Measurement of Critical Dimensions", August 2001 DATE CONSIDERED **EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NOV 2 4 2003 DOCKET NO: 006726 USA/ETCH/CONE/JB **APPLICATION NO.: FORM PTO-1449** U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMAK OFFICE PARENT INFORMATION DISCLOSURE STATEMENT 10/646,943 APPLICANT: Barnes et al. GROUP ART UNIT: FILING DATE: 8/21/2003 IN AN APPLICATION Unknown U.S. PATENT DOCUMENTS FILING DATE **EXAMINER** DOCUMENT NUMBER DATE NAME CLASS SUB-INITIAL IF APPROPRIATE **CLASS** 2 6 01/28/1992 McKee 0 8 4 1 5 5 2 4 4 5 0 09/14/1993 Nakayama et al. 1 5 2 5 2 1 7 8 10/12/1993 Moslehi 5 6 4 7 12/14/1993 2 9 8 Anderson et al. 5 3 7 2 6 7 3 12/13/1994 Stager et al. 02/14/1995 5 9 3 8 7 Ishimaru 9 1 5 0 5 4 8 8 04/11/1995 Dimitrelis et al. 4 5 4 2 7 8 7 8 06/27/1995 Corliss 5 3 09/26/1995 Moslehi et al. 4 5 1 2 4 5 5 2 2 9 4 06/04/1996 Suzuki et al. FOREIGN PATENT DOCUMENTS **TRANSLATION** DOCUMENT NUMBER DATE COUNTRY CLASS SUB-**CLASS** YES NO 0 7 0 2 3 9 2 03/20/1996 EP Х 9 5 7 4 7 11/11/1999 **PCT** Х 7 0 2 07/26/1990 Х 4 1 0 4 4 EP 9 7 Х 8. 0 0 5 6 01/08/1998 PCT · OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) **EXAMINER** DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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NOV 2 4 2003 **APPLICATION NO.:** DOCKET NO: 006726 USA/ETCH/CONE/JB **FORM PTO-1449** U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRADEMARK
INFORMATION DISCLOSURE STATEMENT 10/646,943 APPLICANT: Barnes et al. FILING DATE: 8/21/2003 **GROUP ART UNIT:** IN AN APPLICATION Unknown **U.S. PATENT DOCUMENTS** FILING DATE **EXAMINER** CLASS SUB-DOCUMENT NUMBER DATE NAME INITIAL IF APPROPRIATE **CLASS** 06/16/1998 5 7 6 7 6 2 8 Keller et al. 7 7 7 7 5 2 1 06/30/1998 Li et al. 5 8 1 4 1 5 3 09/29/1998 Ishikawa 5 8 1 9 4 3 4 10/13/1998 Herchen et al. 5 8 8 2 4 1 7 03/16/1999 Van de Ven et al. 5 9 1 ٥ 0 1 1 06/08/1999 Cruse 5 9 1 3 1 0 2 06/15/1999 Yang 5 6 2 9 3 3 9 10/05/1999 Conrad et al. 5 9 7 6 3 0 8 11/02/1999 Fairbairn et al. 8 5 9 8 0 6 6 11/09/1999 Goto **FOREIGN PATENT DOCUMENTS TRANSLATION** CLASS DOCUMENT NUMBER DATE COUNTRY SUB-**CLASS** YES NO. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) **EXAMINER** DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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